

SUNBELT

Agricultural Exposition Field Day Guide

THURSDAY, JULY 13, 2017

MOULTRIE, GEORGIA



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Please join us for our 2017 Sunbelt Field Day

Get a firsthand look at how the crops you grow are performing in real farm conditions.



The 2017 Sunbelt Ag Expo Field Day is a must-see event in southeastern agriculture. We look forward to hosting you at the annual event Thursday, July 13.

Attendees can see demonstration plots that contain the latest innovative research, and visit with industry and university researchers to get up-to-date information on topics such as new seed varieties, irrigation and water management, crop protection, soil fertility, forages, and precision agriculture. Come and get a sneak preview of what



you will see at our 40th annual show October 17-19.

We work with our industry and university partners to conduct agronomic research that addresses real life challenges that farmers face daily. All our research is done in collaboration with farmers, industry reps, and universities to determine the best approach – economically, environmentally, and socially – for the challenges that confront Southeast farmers. Anyone attending our field day will take away

useful information on a variety of topics that they can apply to their operation back home and improve their bottom line.

Field Day is free and open to those involved in agriculture and agribusiness. Registration begins at 7:15 a.m., followed by a complimentary biscuit breakfast, exhibit viewing, and welcome from Georgia Department of Agriculture and Georgia Farm Bureau.

You'll have a chance to win some great door prizes, as well as receive a free Expo cap. The trams will depart for the field tour at 8:00 a.m. sharp and return by 12 noon. A BBQ sandwich lunch will be provided by Ameris Bank.

Come see us July 13 as we highlight the latest in world class agronomic research at the 2017 Sunbelt Ag Expo Field Day.

Sincerely,

A handwritten signature in black ink that reads "Chip Blalock".

Executive Director
Sunbelt Agricultural Exposition

SCHEDULE OF EVENTS

AGRIBUSINESS BUILDING #1

- 7:15 a.m..... Biscuit breakfast, door prize registration, static exhibits
- 8:00 a.m..... Trams depart for field tours
- 12 noon..... Trams return. BBQ lunch sponsored by Ameris Bank.
Grand prize and door prize giveaways.

GRAND PRIZES:
Brown Rotary Mower 416,
Shotgun,
Titan/Goodyear Tires

*Grand prize and door prize winners will be posted at the conclusion of field tours.
Every attendee will receive a Sunbelt Ag Expo cap.*

You're invited to join us for Biscuit Breakfast at Expo Field Day

For the sixth year, the Georgia Department of Agriculture and Georgia Farm Bureau will be hosting a complimentary biscuit and coffee breakfast in Agribusiness Building #1. Serving will begin at 7:15 a.m. A variety of static exhibits, as well as door prize registration, are also located in this building.

Representatives from both groups will bring short remarks before trams depart for field tours at 8:00 a.m. sharp.

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Show Dates:
October 17-19, 2017

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See new crop technology in action, talk to experts at Sunbelt Expo Field Day

BY BRAD HAIRE

Farm Press Editorial Staff

brad.haire@penton.com

The Sunbelt Ag Expo is opening up its farm July 13 — and farmers are invited to come see, hear, and learn practical information from the region's top agricultural scientists about the newest farming technologies they can use to improve their operations this year, and for many years down the road.

Sunbelt Ag Expo Field Day will be held at the Darrell Williams Research Farm, located at the Expo show site at Spence Field in Moultrie, Ga. Registration is free for the half-day event for anyone who works in agriculture. Everything kicks off at 7:15 a.m. with breakfast, followed by quick welcomes from the Georgia Department of Agriculture and Georgia Farm Bureau.

Shuttles will be loaded at 8 a.m. to tour the farm, with 30 stops scheduled. Specific times are designated for each stop and crop, aimed at making the most efficient use of time for attendees. Farm Credit will provide water for those on the tour.

Tour shuttles will return to the main building by noon, and Ameris Bank will provide a lunch. For those who wish to stay longer, sponsors and company representatives will have booths set up where the shuttles unload passengers. Door prizes will also be awarded.

BEST TOOLS, PRACTICES

The 600-acre Sunbelt Ag Expo research farm is an ideal place to investigate and demonstrate the best tools and practices used to grow important southern crops in the most profitable, environmentally-sound ways possible, says Chip Blalock, Executive Director of the Sunbelt Ag Expo.

"On the Darrell Williams Research Farm, we are able to put

together a unique blend of academic and corporate research in row crops and forages. Field Day is a one-stop shop for the latest innovations in seed varieties, crop protection, soil fertility, water management, and precision ag.

"For instance, with seed, farmers can compare and contrast varieties and already be thinking about which ones they may want to plant the following year. Field day provides them an opportunity to see up close and personal the latest in agronomic technology. They can hear the presentations on the tour before lunch, and then are welcome to go back into the fields after lunch for a closer look at the crops of their choice. They can touch and feel actual plants — which you can't do on the internet."

PRODUCTION STRATEGIES

University of Georgia researchers and Extension specialists conduct numerous trials at the Sunbelt farm for all major southern agronomic crops. UGA Cooperative Extension specialists for cotton, soybeans, and peanuts will be at the field day to discuss strategies for better use of fertility, management of diseases and pests, and the best varieties to use when and where.

Herbicide resistance continues to be a major focus for cotton in the region. UGA weed specialists plus company representatives will discuss management strategies for dealing with the issue, plus products that are coming down the pipeline to help in the battle against hard-to-control weeds.

Corn remains a staple crop for the Southeast, fitting nicely into growers' sustainable crop rotations and management strategies. Monsanto representatives will be on the tour to showcase six top DeKalb corn varieties; Pioneer will discuss six of its popular corn varieties; and Dow Agrosciences will spotlight four Mycogen hybrids.

Fertilizer tests are being conducted on corn and most other crops being grown at the Expo. Maximizing use of plant nutrients

is a top priority for growers who want to shoot for a variety's top potential yield.

Southeast farmers are showing renewed interest in cotton in 2017, with acreage increasing slightly compared to the previous two years to three years, mostly due to improved market prices. Cotton genetics and variety packages have also seen a resurgence, with new technologies becoming more widely available and adopted by growers. The region's best cotton varieties, based on annual variety tests across the Southeast, will be a primary draw at this year's field day.

COTTON, SOYBEAN VARIETY INFORMATION

Bayer cotton experts will discuss six of

their new Stoneville varieties. The Expo farm is a part of Monsanto/ Deltapine's New Product Evaluator Program, and many of the same varieties being grown by 200 or so farmers across the Cotton Belt will be shown during the field day.

Americot has developed new varieties that have performed well in OVT testing in the Southeast, and several of their new varieties will be on display at the field day.

Dow's PhytoGen brand cotton has made a push in the Southeast in recent years, and company representatives will highlight six of their varieties during field day stops.

The Expo farm has several large plot soybean OVT variety trials each year. Monsanto and its Asgrow brand soybean seeds will be ready for inspection, and company representatives will discuss production opportunities

for soybeans in the Southeast. Dow will have CZ varieties available for inspection. Pioneer will have six of its soybean varieties in the test program at the Expo Farm.

Stoller will have three cotton and three peanut plots for inspection. Forquimica will have two peanut plots.

"A farmer can't take a risk and just go out and plant a lot of acres of a variety based solely on hearsay," says Cody Mitchell, farm manager for the Sunbelt Ag Expo. "What we can do at the Expo is make it a place where growers can come see new varieties and technologies in action on a real farm, ask questions, and see what they think about it firsthand. We can help take the risk out of how they might use or plant a new variety, or better manage a variety they already grow."









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“

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Titan/Goodyear Tires

Titan/Goodyear will be giving away a \$250 gift certificate.

Expo Field Day: See what's new and important for the Southeast

It's hard to believe that another growing season has come and gone, and that summer is here once again. I know you have all been hard at work taking all the steps necessary to ensure the best crop possible. As I write this letter, I am listening to the sounds of much-needed rain, and praying that we all have ideal weather conditions for the 2017 crop.

We have a great field day program planned, and I hope you will be able to join us to hear from representatives from our partner universities and top southeastern agriculture companies. Please make plans to be here — you don't want to miss this opportunity to interact with your fellow farmers and these experts.

One highlight of the tour this year will be a peanut fungicide study with the UGA Extension Service. We hope to get data to help farmers who may struggle with the ability to rotate legume crops according to traditional standards and schedules due to land constraints or other limiting factors.



In addition, we will spotlight our dicamba research. We have had dicamba herbicide plots at Sunbelt Ag Expo for five years. Now that this product is available to farmers, we hope you will take advantage of this opportunity to see proper usage techniques and to interact with Stanley Culpepper, one of the most knowledgeable experts on dicamba. We hope this will allow you to confidently and safely add this herbicide to your arsenal.

We know that maximizing the return on every resource continues to be of primary importance to farmers. Our field day program is designed to provide you with information to help you do just that. We hope to see you on July 13 — and invite you to bring a friend.

Sincerely,
Cody Mitchell
Sunbelt Ag Expo Farm Manager

It takes a team to get things done at the Sunbelt Expo Farm

BY BRAD HAIRE

Farm Press Editorial Staff
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Cody Mitchell took the helm of the Sunbelt Ag Expo Darrell Williams Research Farm last fall, but he is no stranger to the place — nor is the crew that maintains the farm as a major agricultural testing ground for the region.

Mitchell, 23, grew up in Tift County, Ga., near the Sunbelt Expo's Moultrie, Ga., show site, and worked at the farm for more than two years prior to taking the lead.

The Sunbelt farm is a working, year-round farm, but it is also a diverse, dynamic operation packed with research and demonstration plots, which can make for a complex management learning curve. Mitchell isn't scared to say — and in some ways is proud to say that he has relied on the experienced Sunbelt farm crew during the transition.

"We all lean on each other. That's one thing that helps us move smoothly," he said in early May as planting season progressed in fits and starts due to spring weather extremes, which other farmers in the region dealt with. "I have 100 percent trust that they will do everything to its best, and that they will make the best decisions for the important work being done on the farm."

The backbone of the Sunbelt farm crew is head foreman Cali Mendoza, 48. Going on his 19th year at the farm, he was hired during the tenure of well-respected and longtime Sunbelt Ag Farm Manager, the late Darrell Williams, for whom the farm is dedicated.

"On the farm, Cali can do anything from spraying, calibrating, planting, and harvesting," Mitchell says. "He was here when Mr. Williams was manager, and taught Cali about the farming operations. Cali is still the link to Mr. Williams and how things were done then, as well as how things have changed over the years. Think of all the new technologies and practices that have been tested, unveiled, or demonstrated at the Expo farm over the last two decades — and Cali has been here to see it all. He has some valuable experience."

Farm Associate Eric Bryant, 28, is the newest member of the farm crew. "He was



The Sunbelt Expo farm team: from left are Cali Mendoza, Eric Bryant, Cody Mitchell, and Dalton Alligood

thrown into the Expo last year," Mitchell says. "On the first day, he showed up wearing khakis, a nice Columbia shirt, and nice boots, and that was the day we had to get the cotton pickers greased up. We looked at him and told him we weren't kidding about coming on the job ready to work. He went home that day with those nice clothes not so nice. But he jumped in and did the job, and has continued to do so."

Bryant grew up on a farm, and farmed on his own before joining the Expo staff. "He is extremely knowledgeable about farming and farm equipment," Mitchell says, "and he can repair almost anything. Having an additional person who understands what, when, and how to irrigate is also a valuable asset."

Dalton Alligood, 19, is the student worker who rounds out the farm crew, a catch-all hand who does the things that need doing that frees up the other crew members to do other things that need

doing, too.

The Sunbelt farm is 600 acres, and of that about 100 is planted to hay. With research and demonstrations for cotton, corn, soybean and peanut (and at times other minor or specialty crops), taking place annually on 36 or more small to large plots with replicated trials or comparison treatments for research purposes, it might not be the going that's tough on the farm; it's the going and stopping and going and stopping and turning around and changing out seed or cleaning out tanks repeatedly, so to speak, that makes the place unique.

"I write everything down (what scientists and industry reps request) three or more times in several places and let the guys know what we need to do and what we don't need to do to each plot. It can get complicated and like on other farms the weather doesn't always cooperate," Mitchell said. "But we get it done."



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Yes, you can grow alfalfa in the Deep South

BY BRAD HAIRE

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Counter to common belief, alfalfa can be grown well, and for a long time, in the Deep South. To see proof of that, just head to the Sunbelt Ag Expo Darrell Williams Research Farm during the upcoming field day and get a firsthand look.

“Expo has been especially instrumental in our efforts to promote new varieties of alfalfa that are adapted to the Deep

“Expo has been especially instrumental in our efforts to promote new varieties of alfalfa that are adapted to the Deep South.”
— Dennis Hancock

South,” says Dennis Hancock, University of Georgia forage specialist who conducts research at the Expo farm. “Alfalfa demonstrations at the Expo began in fall 2005, and they still look pretty strong — and that is very surprising. Normally in south Georgia (where the Expo is located), we tell people alfalfa will only last four years to five years, and we’re tickled it has lasted so long at the Expo.”

He believes well-timed and well-chosen fertility, most notably a combination of lime and gypsum, when the alfalfa was established at the Expo farm has led to its unusual vitality. “In the years since, our experiences with interseeding alfalfa into bermudagrass at the Expo farm have been cited thousands of times as evidence that, yes, alfalfa will grow in the South.”

With more than 100 acres dedicated to forages and hay, the Sunbelt Ag Expo Farm is a top location for forage research, education and demonstration in the Southeast. Large-scale trials are conducted on many varieties of bermudagrass, perennial peanuts, and alfalfa before they are promoted to the public. Producers can see firsthand the forage research, and hear Hancock talk



Dennis Hancock, University of Georgia Extension forage specialist, speaking at Sunbelt Ag Expo Field Day.

about the data and strategies for growing better forages during the 2017 Sunbelt Ag Expo Field Day July 13.

WIDESPREAD INTEREST

“We have had a near-overwhelming number of calls this spring about establishing bermudagrass hayfields and even bahiagrass,” Hancock says. “I have a sense that we are still expanding hay acreage — though not as much as we were three years ago when cattle prices went through the roof. But I think the cattle industry is holding its own pretty well at the moment.”

“If you look nationally, we do have some ‘luxuries’ in the Southeast, in that we have such a long grazing season, and we can stock at a much higher rate, particularly where we can irrigate. Our risk for cattle production and hay production is less. So, we are seeing an increase not only in hay acres going in, but irrigated grasslands going in as well.”

At the Sunbelt Expo farm, Hancock has researched and demonstrated a locally-produced nitrogen fertilizer product from R.W. Griffin Industries. “We have conducted multiple years of research across Georgia, and have shown how their 18-0-0-3 19E blend is an economical liquid N fertilizer, equal in every way to ammonium nitrate, and superior to urea.”

SOUTHEASTERN HAY CONTEST

The Southeastern Hay Contest sponsored by Massey Ferguson is one of the biggest

Extension programs for hay in the region, Hancock notes, and Sunbelt Ag Expo is a vital partner in the effort. Contest winners are announced and rewarded on the opening day of the Expo each year.

Though the number of submissions dropped a bit last year due to adverse weather during the growing season over much of the region, “the quality of submissions last year was straight rocket fuel,” Hancock says.

“Since 2004, through the hay contest, the Sunbelt Ag Expo has welcomed our team of forage scientists in our efforts to educate hay and baleage producers about forage quality. In addition to winning bragging rights for having the best forage quality around, participants in the contest have the opportunity to take home cash prizes or even a brand new disc mower or rotary rake from Massey Ferguson. Forage scientists and Extension personnel from across the Southeast have no better ally in their educational efforts than our friends at the Sunbelt Ag Expo.”

CCA/CEU CREDITS

All certified crop advisors attending Sunbelt Ag Expo Field Day will have an opportunity to register to receive CCA/CEU Credits.

Sign-up sheets will be available at registration.

Research at Sunbelt Ag Expo farm leads to improved pesticide use, stewardship

By BRAD HAIRE
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The Sunbelt Ag Expo Darrell Williams Research Farm, located at Spence Field at Moultrie, Ga., has been a primary research location for University of Georgia Extension efforts to test and develop educational programs to help Southeast farmers better apply herbicides, especially in-season use of the new 2,4-D and dicamba technologies available with matching tolerant seed.

"The Expo farm is my largest research site in Georgia," says Stanley Culpepper, University of Georgia Extension weed specialist, who has conducted research at the farm for 18 years. "We have about 22 acres, but they also let us use some of their additional acreage for drift studies. So, this year we could get closer to 30 acres of land on that one site."

In order to better apply, or target, pesticide applications, it is essential to understand drift or volatility for the material being used, he notes, and for those studies, large acreages are needed. "It can't be done on a 30-foot by 50-foot plot. I've got to try and simulate what growers are doing, like treatments that are going out with a high boy. The Expo farm is my link from small plot research to real-world farming, and the Expo staff has been so wonderful to let me do that."

PESTICIDE MANAGEMENT PROGRAMS

Culpepper will be one of several UGA Extension and researchers speaking at four stops at the 2017 Sunbelt Ag Expo Field Day July 13. His message, or focus points, will include (1) improving management programs for palmer amaranth (pigweed) and other problematic weeds, and doing it more economically with all available technologies; (2) continuing to improve research tactics and methods to achieve better on-target pesticide applications that consider boom height, sprayer speed, and wind direction/speed, and (3) understanding the volatility of the new auxin herbicides.

Farmers and their applicators have stepped up to the challenge, he says, and the approach to pesticide applications on Georgia farms has improved. Calls to UGA Extension regarding troublesome pesticide drift have gone down by two-thirds in the last two years.

"Our growers have adapted many of these management practices, and are far better than they've ever been at making on-target applications, Culpepper says. "But this is something that is extremely important — and you don't quit as long as you can get better, right? There is not an end game if each

time you do a research project and you say, 'Hey, I think I can make this better.' We love our organic growers, and we are committed to them, but today we can't feed the world without pesticides.

"We also know that if we don't maximize on-target applications, and prevent off-target applications, we aren't going to have these products in the future. Look at the dicamba label — if we screw it up, that product will be gone. This type of scrutiny is going to become more common."

NEW TOOLS FOR GROWERS

There is little doubt agronomic growers in the Southeast need better ways to economically handle hard-to-manage weeds, Culpepper says, and the new auxin herbicide formulations available now, or down the road, can provide new tools to do that.

The new auxins have been formulated to reduce the risk of off-target, drift-related crop damage — and that's a good thing, he says. Language on the labels for these new herbicides provide specific, and required, strategies applicators must follow to further reduce drift or volatility risk. The label language also seems to put responsibility for the herbicide application, whether on or off target, solely on the applicator, he says, and that's important for growers to remember.

"One of my pet peeves is when someone says, 'If you've done a good job with Roundup (on-target application), you don't need to worry, or you won't have any problems with in-season 2,4-D or dicamba applications,'" Culpepper says. "Not true. Some crops widely grown in Georgia are 20 times to 30 times more sensitive to dicamba or 2,4-D than they are to Roundup.

"Just because you were OK with Roundup does not mean you're OK with 2,4-D or dicamba. In fact, you're going to have to be better than you've ever been — and part of being better than you've ever been is deciding where you should and shouldn't use these tools."

IMPROVED FLEXIBILITY, CONTROL

Culpepper expects the majority of Georgia's 2017 cotton crop will be planted to auxin-resistant varieties, which will be done to manage hard-to-control weeds such as Palmer amaranth, morningglory, and to a certain extent, tropical spiderwort.

"In research-grade Palmer amaranth populations, the new technologies do offer slightly more flexibility and improved control over our standard practices, with a few dollars less in hand weeding costs at season end," he says. "It is critically important we have standard programs that are equally effective, allowing growers options. Those equally effective options do exist for most Georgia fields, but we need to continue to improve



Stanley Culpepper, University of Georgia Extension weed specialist, has conducted research at the Sunbelt Ag Expo farm for 18 years. He will speak about new herbicide technologies and on-target pesticide applications at the 2017 Sunbelt Ag Expo Field Day July 13.

our standard programs for fields with heavy infestations. For our growers who are able to be timely and aggressive, they are already achieving effective control with standard programs that offer lower off-target drift risks."

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Your guide to the sponsors of the 2017 Sunbelt Ag Expo Field Day

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AMERICOT — For Southeast cotton growers in 2017, Americot offers 6 Bollgard II XtendFlex cotton varieties. For the full season market, NG 5007 B2XF is late-maturing variety with excellent yield potential, excellent fiber package, high turnout, and is well-adapted to the southeastern cotton belt. For the early to medium market, Americot offers NG 4545 B2XF, NG 3522 B2XF, NG 3406 B2XF, and NG 3405 B2XF. NG 3522 B2XF is widely adapted across the entire cotton belt, has an excellent yield and fiber package, and is easy to manage. NG 3406 B2XF is also

widely adapted, early-mid-maturing variety with excellent yield potential and fiber package. NG 3405 B2XF is an early-mid- to mid-maturing variety that has demonstrated excellent yield potential in the upper Southeast, including above the lakes in South Carolina and North Carolina. A new introduction for 2017, NG 4601 B2XF is a mid-maturing variety that has demonstrated excellent yield potential and fiber package across the Southeast. Americot provides Southeast, Mid-South, and Southwest cotton growers with high quality varieties with high yield potential, excellent fiber quality, and disease tolerance with the most recent technologies that growers want and need to be successful. At Americot, our priorities are simple: excellent performance, quality products, and exceptional people to serve our customers. For more information, call Americot's Southeast sales representatives: Jeff Sandifer (Regional Manager) at (803) 300-2530; Brandon Phillips (Agronomist) at (912) 393-5719; Jim Pope (VA/NC) at (757) 650-8674; Bill Pritchett (NC) at (919) 691-4094; Gil Wiggins (NC/SC) at (843) 433-2526; Ben Martin (GA) at (912) 682-2114; Michael Williams (South GA, FL) at (229) 454-4438; Adam Anderson (South GA, South AL) at (229) 921-0093; or Josh Gravitt (South GA) at (229) 313-2824; Robbie Tabb (AL) at (229) 809-0188. Detailed information can be found at www.americot.com

BAYER, CROPS SCIENCE DIVISION will showcase several Stoneville cotton seed varieties that deliver the total package, with high yields, high quality fiber, and the latest trait technologies to help growers experience a new level of success. Varieties in the field day trial include a high-yielding, full-season variety, ST 6182GLT; two early-to-mid-season varieties, ST 4949GLT and ST 5020GLT; and two mid- to full-season varieties ST 5115GLT with bacterial blight resistance, and ST 5517GLTP with an additional Bt gene for increased lepidopteran insect protection. All of these varieties offer the newest Bayer germplasm in GlyTol LibertyLink Twin-Link (GLT) varieties, with full tolerance to both Liberty and glyphosate herbicides, plus broad spectrum lepidopteran insect protection utilizing multiple Bt genes.

BROWN MANUFACTURING CORP will be giving away a Brown 416 – 6' cutter. Round Back Deck Design — Reinforced Quick Hitch — Compatible Height of Cut: 2" to 12"; Deck Construction: All welded 7 Gauge Steel 3/16"; Gear Box Ratio: 1 to 1.5; Blades:

1/2" x 4"; Heat Treated/Free Swinging Stump Juniper: with 1" x 5" Solid Bar Deflector.

CONGER LP GAS/PROPANE EDUCATION & RESEARCH COUNCIL

— Conger LP Gas has been serving South Georgia since 1989. Conger LP Gas is locally owned and supplies propane in 28 counties in South Georgia, with over 6,000 customers. Conger LP Gas specializes in the agricultural industry as the only propane marketer in Georgia that is a distributor for propane irrigation engines. Bill Moore, Alternative Fuel Sales Manager, actively works with farmers in the area who are looking for ways to improve efficiency on the farm. Conger LP Gas also partners with the Propane Education and Research Council (PERC) to offer incentives up to \$5,000 to the farmer who purchases a propane irrigation engine. In partnership with the Sunbelt Ag Expo, Conger LP Gas and PERC have donated a 200 HP propane irrigation engine for testing purposes against existing diesel and electric irrigation engines. Whether it involves grain, tobacco, or peanut drying, propane irrigation engines, or chicken house and greenhouse heating, Conger LP Gas has the experience to sell and maintain every facet of propane on the farm. Conger LP Gas also works with farmers on vehicle and lawnmower conversions to propane. Our service techs have over 100 years of combined propane experience and can repair or replace any appliance, from a 5,000 BTU bathroom heater to a 1,000,000 BTU grain dryer. As the only propane marketer in Georgia that carries a full line of propane irrigation engines, Conger LP Gas is able to analyze a farmer's current irrigation needs and determine if switching to propane is the most cost-efficient option. Our experience allows us to work with farmers in seeking propane solutions for the farm. This includes helping farmers apply for any rebates or grants that may be available when increasing energy efficiency on the farm.

CROP FOCUS Is an independent data management company with locations in Cordele, Ga., and Samson, Ala. Why manage your farm data? Data management is key to the success of a precision ag program. Crop Focus consultants will assist you in the collection, storage, and analysis of data, enabling you to make better informed data-driven decisions to improve efficiency and profitability. At Crop Focus, we believe data is farmer-owned, and we treat it that way by keeping your information private on our secure server.

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Our consultants can assist you in maximizing yields and profits! Crop Focus overlays data layers such as soil fertility analyses, variable rate prescriptions, irrigation zones, soil type, texture, topography, imagery, yield, and sensor data to identify and manage within field variability. Let Crop Focus help you break away from the computer and get back in the field by speaking with one of our consultants today. For additional information, please visit www.cropfocus.com

DELTAPINE/DEKALB/ASGROW —

DELTAPINE Brand Cotton: The Deltapine Class of 15-17 cotton varieties offer yield and fiber quality improvements over commercial standards. Some varieties contain Genuity Bollgard II with Roundup Ready Flex traits, while others carry the Bollgard II Xtend trait to help maximize performance on fields across the Southeast. First launched in 2015 the Deltapine Xtend Varieties are setting standards in yield, quality, and weed control in the Southeast. Take a look at the class of 15-17 Deltapine Xtend varieties — you will like what you see. **DEKALB Brand Corn:** Corn earworms may be small, but they can mean big problems for you and your operation. But thanks to DeKalb GenuityVT Triple PRO corn, VT Double PRO and SmartStax, you're ready to fight back. You already know DeKalb germplasm gives you strong roots, stalks, great disease tolerance and yields — but now, combined with Genuity VT Triple PRO, VT Double PRO and SmartStax, DeKalb brand has a proven line of defense against corn earworms with broad spectrum above-ground and below-ground insect protection. **ASGROW Brand Soybeans:** Asgrow continues to research new products and deliver new innovations, and will lead the way with the greatest volume of new Genuity RR2Y and Xtend varieties, the next generation of Monsanto soybean technology that will set the stage for improved performance. The 2017 Asgrow product line delivers a strong portfolio of maturity groups 0 through 7 that are tested and proven to perform well in both optimum and tough growing conditions.

DOW AGROSCIENCES/PHYTOGEN SEEDS/MYCOGEN SEEDS —

Several Mycogen corn grain and silage hybrids that are well-adapted to the South will be featured at the Expo Field Day.

Included will be two grain hybrids with SmartStax multi-event technology: 2C797 (113 RM) — with high yield performance and good agronomics, makes it a good choice across the Southeast, and a new hybrid 15T31 (115 RM) — a tall flex ear hybrid with good grain quality and husk cover with good foliar disease tolerance. Also included are three silage hybrids: TMF2H747 (113 RM) — tall high tonnage potential, flex type ear with good starch levels; New! TMF 17W91 (117 RM) — tall

high tonnage potential full flex ear that provides adaptability across plant densities; and BMR F2F817 (117 RM) — BMR trait (very good whole plant digestibility), very good agronomics and disease tolerance, semi-flex ear with white cob, make it an excellent full season choice for silage. Outstanding seedling vigor, strong yields, and superior fiber quality are standard with PhytoGen Cottonseed varieties. The 2017 Sunbelt Ag Expo Field Day and October Expo showcase multiple PhytoGen varieties and technologies, specifically PHY 444 WRF and several new W3FE entries that include the WideStrike 3 complement of Bt genes and Enlist Weed Control System. The performance Enlist Duo herbicide will be demonstrated both in terms of weed control, crop tolerance, and product stewardship.

FARM CREDIT ASSOCIATIONS OF GEORGIA

have been helping Georgia grow for generations. Celebrating 100 years, Farm Credit supports rural communities and agriculture with reliable, consistent credit and financial services today and tomorrow. As a member-owned cooperative, our members have been paid over \$750,000,000 in patronage refunds since 1988. It's a tradition of being the only lender who pays you for doing business with us. For more information, contact us at georgiafarmcredit.com

FLINT RIVER SOIL AND WATER CONSERVATION DISTRICT/CERTIFIED AG RESOURCES, INC.

will showcase remote soil moisture monitoring. This moisture sensing technology is currently deployed on working farms throughout southwest Georgia and is available across Georgia through the USDA NRCS Environmental Quality Incentives Program (EQIP). The demonstration of these technologies at Sunbelt this year is again made possible in part through funding support from the Coca-Cola Company and the Flint River Soil and Water Conservation District. The moisture sensors are cutting edge technology used to improve the efficiency of irrigation water use. Remote

soil moisture monitoring improves efficiency by identifying precise periods of time in which a farmer can irrigate less by using objective field data, such as soil moisture, soil temperature, crop growth stage, and localized evapotranspiration.

FORQUIMICA CORP is a technology fertilizers company. Since 1985 FORQUIMICA works along with the farmers, committed to agriculture, research, and quality on products, service, and differential programs. In addition to high quality products and sustainable programs, FORQUIMICA offers a detailed study of the crop nutrition and soil care so our sales associates work more like an advisor. FORQUIMICA has many agriculture solutions on foliar fertilizer, metabolic bio activator, adjuvants for spray tank, inoculants, and more. Prior to being added to a nutritional program, a product has to be approved by FORQUIMICA R&D department under a detailed study on laboratory and field tests. FORQUIMICA applies resources to conduct scientific studies on public and private institutions, universities, dealers, and farmer partners, aiming to strengthen the research and aggregate knowledge. This is what makes the difference at the most reliable company for South America, and now available to USA farmers for bigger yields and better profit.

GEORGIA SOIL & WATER CONSERVATION COMMISSION

will highlight its Agriculture Water Conservation Program during Field Day, in support of Georgia's 40 Soil and Water Conservation Districts that assist landowners in developing their soil and water resources. The field presentation will focus on our Ag Water Meter program that includes installation, inspection, and maintenance of meters installed on agricultural irrigation systems in Georgia. GSWCC also collects data from these meters that assists policymakers in better understanding agricultural water use in the state and helps farmers improve the efficiency of their water resources. In addition, GSWCC will describe how our Mobile



Irrigation Lab helps farmers' irrigation systems apply water more effectively. GSWCC website is <http://gaswcc.georgia.gov>

HBT SUPPLY COMPANY is a unique farm supply company that specializes in tillage products. We are proud to say that all of our tillage products are "Made in the USA" in accordance with our own in-house private designs. This is a winning combination that gives you, our customer, confidence in exceptionally long wearing parts for your farming machinery. We supply a wide variety of farming supply needs, including subsoil points, harrow discs, and sweeps for all makes and models of farming machinery. We also carry a large inventory of hardware, such as fasteners, tools, shop supplies, chemicals, bolt bins, and sprayer parts. In addition to our superb inventory, we offer on-the-farm delivery to our customers. Our service area includes North Carolina and South Carolina, Georgia, Alabama, and Florida. This three-generation family-owned and operated company has served farms across the Southeast since 1961. It is our family tradition. Call us at 229-386-4939 or come by one of our 7 convenient locations in Albany, Ga.; Ellaville, Ga.; Tifton, Ga.; Dothan, Ala.; Columbia, S.C.; Charleston, S.C.; or Greenville, N.C.

KELLEY MANUFACTURING CO. has been building dependable equipment for progressive farming for over 50 years. Every piece of KMC equipment is developed and engineered with the farmer's needs in mind, insuring a top quality implement that will produce top quality results. Specializing in peanut harvesting, tillage, and poultry cleanout equipment, KMC offers a wide variety of products to their customers. Be sure to visit KMC's booth at the Expo Field Day to learn more about the products they offer. For more information about KMC and its entire product line, please visit www.kelleymfg.com or call 1-800-444-5449.

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NACHURS® — Since 1946 NACHURS® has led the fertilizer industry by offering agriculture's most productive and successful producers the highest quality, scientifically based, and agronomically sound fertilizer technologies in the business. NACHURS® technology products continue to lead the industry and provide commonsense solutions for farmers by incorporating science-based fertilizers to enhance nutrient use efficiency. These proven technologies will help maximize crop production potential and overall farm profit. Bio-K® is the most effective, lowest salt, least corrosive, most soluble, and most plant-available potassium source in the industry. Rhyzo-Link® is a fertilizer combined with 5 specific bacillus strains of plant growth-promoting rhizobacteria that link soil health/chemistry and plant productivity through efficient balance, placement, and recovery of soil/plant nutrients. YaraVita® Procote® provides a unique way to coat micronutrients onto dry fertilizer to provide maximum efficiency and nutrient distribution across the field, which greatly improves plant uptake compared to alternative methods of spreading dry micronutrients. Aqua-Tech® fertilizers are designed to be injected through irrigation systems. The exclusive technology of Aqua-Tech® solves the problem of hard water tie-up with phosphorus. This product line boasts the ultimate in nutrient availability, ease of use, and safety (handling and equipment) for most irrigation water, including drip irrigation systems. Maximum efficiency is achieved when combining high efficiency fertilizer with sound soil fertility management. Use NACHURS® beginning with in-furrow fertility for all crops; add the finishing touches with NACHURS® foliar-applied nutrition, micronutrients, and other unique technologies. The quality of the ingredients used to manufacture NACHURS® liquid fertilizers is second to none. Virgin raw materials are selected for maximum nutrient availability, solubility, and ease in handling, storage, and application.

NEWTON CROUCH, INC. provided the variable rate spreader equipment used to prepare the fields for the demonstration. Visit NCI at the Sunbelt Field Day to learn how you can leverage the precision ag equipment for your farm's needs. NCI is celebrating 76 years in business this year. A family-owned business based in Griffin, Ga., NCI has been a part of the Southeast agriculture community since its inception. NCI manufactures an extensive line of dry fertilizer and lime spreaders, as well as liquid fertilizer applicators, sprayers, and nurse trailers. We specialize in precision ag equipment, such as variable rate dry spreaders and GPS guidance systems. Learn how our variable rate technology can improve yields and limit waste, all designed to help promote more efficient farming practices. The NCI equipment line is noted for its high quality components and design, allowing for rugged durability. NCI equipment has a long field life, living up to its motto of "The Spreader of Choice."® The NCI parts department is always ready to help with your pump, parts, tips, and poly tank needs. Newton Crouch has three locations to serve your needs: Griffin, Ga. (800) 241-1350; Albany, Ga. (800) 624-7931; and Sebring, Fla. (877) 605-0273. Visit newtoncrouch.com to learn why Newton Crouch is the Official Spreader of the Sunbelt Expo.

PIONEER — Pioneer® brand corn hybrids: P1197YHR — Excellent yield potential in this early-maturing, moderately-statured hybrid. This product offers excellent stalks with outstanding staygreen and is best positioned under moderate- to high-yield dryland as well as pivots with high yield potential. P1442YHR — New mid-season product targeted to high yield production with excellent stalk and root strength. P1662YHR — Stable new workhorse-type product, suitable for dryland and limited irrigation situations. Healthy agronomics and good foliar disease resistance with excellent

staygreen. P1794VYHR — Full-season Optimum® Leptra® leader offers maximum yield potential that is suited for irrigated environments and brings strong early growth to the field. This tall-statured hybrid offers above average root strength and good northern leaf blight resistance. P1870YHR — New leader product for irrigated and higher yielding non-irrigated environments. Good resistance to northern leaf blight. Lower ear placement and improved standability are key traits of this new hybrid family. P1916YHR — A late-season hybrid that offers short plant stature and low ear placement with excellent yield potential. It delivers excellent grain quality and favorable stress emergence. Position under irrigated and high-yield dryland situations.

Pioneer® brand soybean varieties: P76T54R2 — This Mid-Group VII variety offers excellent southern root-knot nematode resistance and above average standability, which provides versatility in planting in wide and narrow rows, as well as dryland and irrigated situations. Works well as a full-season or double-crop soybean. Favored product for full-season irrigated situations. Contains the Genuity® Roundup Ready 2 Yield® trait. P72A21X — New, full-season A Series variety with Roundup Ready 2 Xtend® technology. Attractive tawny brown pod color with excellent southern root-knot nematode resistance, as well as moderate peanut root-knot nematode resistance. Good harvest standability and canopy width. P67T90R2 — New, mid-late group VI variety that offers the Genuity® Roundup Ready 2 Yield® trait, along with excellent southern root-knot nematode resistance and good standability. Suitable for wide or narrow row plantings under full-season or double-crop plantings. This variety is well-suited to dryland environments. P55A49X — New, determinate A Series variety with excellent root-knot nematode resistance. This variety offers Roundup Ready 2 Xtend® technology. Very good frogeye leaf spot and stem canker resistance, along with excellent harvest standability provide stability to this variety. P55T81R — Pioneer brand T Series genetics with excellent southern root-knot nematode resistance. Exceptional stem canker tolerance is another key feature, along with superb harvest standability. Can position this variety in both irrigated and dryland situations. Offers excellent harvest drydown.

REINKE MANUFACTURING COMPANY, INC. is the world's largest privately held manufacturer of center pivot and lateral move irrigation systems. Family owned since 1954 and headquartered in Deshler, Nebr., Reinke develops products designed to increase agriculture production while providing labor savings and environmental efficiencies. Reinke is a continuing leader in industry advancements as the first to incorporate GPS, satellite-based communications, and touchscreen panel capabilities into mechanized irri-

gation system management. For more information on Reinke or to locate a dealership, visit www.reinke.com or call 402-365-7251

R.W. GRIFFIN FEED, SEED & FERTILIZER, INC. — The flagship company for R.W. Griffin, a fifth generation southern agribusiness company leading the way through innovative crop solutions, a team of Certified Crop Advisers, retail farm supply centers, cotton gins, peanut buying points, major terminals, and a large wholesale distribution network. In 2014, R.W. Griffin Industries, LLC, one of the R.W. Griffin Feed, Seed & Fertilizer, Inc., companies, joined forces with the UGA Cotton, Corn, and Forage Teams by agreeing to provide nitrogen inputs for both the test plots and production farm at Sunbelt Expo. R.W. Griffin Industries, LLC, is proud to have supported UGA research efforts on cotton and forage for the past several years. Products supplied will include 19-E, "The Low Cost Solution," which is a liquid nitrogen input used by growers for more than 40 years. In addition, they will supply 18-0-0-3S, a 19-E based sulphur solution, and Calcium Ammonium Nitrate in dry form, both popular choices among growers. R.W. Griffin Industries, LLC, continues its commitment to supplying products that are based on agronomically sound principles, have stood the test of time, and are the best value for its customers. For more information, please contact Rudy Hancock at rudy.hancock@rw.griffin.com or visit us at www.rwgriffin.com or www.19-e.us

STOLLER — Stoller is a multinational plant-science company focusing on improving the productivity of plants to manage stress and increase energy through hormonal balance in crops. For over forty-seven years Stoller has developed proven, innovative, quality solutions to minimize yield loss by maximizing the full genetic potential of plants, increasing yield and profit for progressive growers. Stoller's mission is to be a customer-oriented, agricultural company that creates exceptional value for our stakeholders through innovation and knowledge.

S&S MARKETING/MONOSEM — The versatility of the Monosem vacuum meter is demonstrated in its ability to consistently meter many different seed types. This Multi-Crop option provides adaptability to market trends that more specialized single crop planters don't allow. A Monosem owner can plant row crops such as corn, soybeans, milo, and cotton with accurate precision and then also use the same planter for specialty crops such as sugarbeets, peanuts, sweet corn, edible beans, etc. All Monosem planters are custom built-to-order to the specifications of each operation, for tillage style, inputs, row spacing, and row types, including single, twin-row, and ultra-narrow row.

TITAN/GOODYEAR FARM TIRES — American made and owned, Titan Tire Corporation is proud of the hardworking American citizens who produce the best tires and wheels for our country every day. Titan and Goodyear Farm Tires have the largest selections of quality products in the industry, with the greatest servicing dealer network. Stop by the Titan/Goodyear booth and remember: Buy American!

UGA COTTON TEAM is exploring various production issues at the Sunbelt Expo. In 2017 the Cotton Team will conduct experiments across several disciplines. Soil Fertility: Field experiments will investigate nitrogen and potassium fertilization programs. In 2017, The Sunbelt Expo will be one of the three Colquitt County sites that is planned for the annual UGA County on-farm variety trial.

UGA PEANUT TEAM is conducting several trials at the Sunbelt Expo's Darrell Williams Research Farm. The 2017 Research trials include: Trial 1 — plant growth regulator (Prohexadione calcium) on current peanut cultivars; Trial 2 — yield response of twin-row Georgia-06G to various tillage practices; and Trial 3 — impact of inoculant and growth enhancement additives on peanut growth and yield. The growth regulator/cultivar trial will evaluate the growth, yield, and quality responses of 10 cultivars in single-row pattern to applications of Prohexadione calcium. The cultivars being evaluated are Georgia-06G, Georgia-12Y, Georgia-13M, Georgia-14N, Georgia-16HO, TUFRunner '297, TUFRunner '511, AU-NPL-17, 914, and TIFNV HI-OL. In Trial 2, growth, disease, yield, and grade responses will be evaluated for twin-row planted Georgia-06G across intensive broadcast tillage (bottom plow) and two reduced tillage programs consisting of a single ripper shank in between the twins, and a twin ripper shank under each twin row. The objective of Trial 3 is to evaluate the potential additive effects of several growth enhancement products mixed with peanut inoculants. Products being evaluated are Optimize Lift inoculant, TagTeam LCO, Biostart + Optimize Lift inoculant, Buncha Bugs + Biovate + Optimize Lift inoculant, and Myco Apply EndoPrime + Optimize Lift inoculant. Products will be evaluated on emergence rate, root growth, vine growth, yield, and grade.

UGA FORAGE SPECIALIST — This demonstration site will highlight UGA and USDA-ARS research with forage bermudagrass, including the new "bermudagrass variety garden," which will illustrate the advantages and disadvantages of six of the most popular hybrids. Also at this site, a brief summary of bermudagrass stem maggot research will be presented, including a discussion of

varietal differences in BSM tolerance and insect control options. We also will share the results of our research on a locally produced, liquid nitrogen fertilizer product from R.W. Griffin Industries, LLC, which has proven that their 18-0-0-3 19E blend is an economical and effective N source.

UGA WEED SCIENCE research on 20 acres of land at the Sunbelt Expo focuses on developing weed management programs that maximize weed control, especially for Palmer amaranth, while minimizing cotton injury from herbicides. Conservation tillage practices utilizing rye and clover are also being studied to further improve weed management programs while maximizing yield. Additionally, as cotton technologies with tolerance to dicamba or 2,4-D have been commercialized, research is under way to improve on-target applications, thereby mitigating off-target drift issues with these herbicides, as well as all other pesticides.

VALMONT IRRIGATION/VALLEY — “Doing more with less” is a basic theme of the farming community these days. At Valley, we understand this need in today’s agricultural landscape. Since 1954, Valley has brought its mechanized irrigation products to the world’s farmers through our superior dealer network. Valley dealers have gained the trust as the market leaders in their respec-

tive territories. Any manufacturer that does not exhibit this trait from their distribution cannot sustain market leadership. As growers have less labor on the farm, they are relying on their suppliers for more day-to-day support of the products and services they purchase for their operation. Valley dealers bring that support to the farm. All ag dealers must maintain a well-trained workforce to keep up with the technology that is emerging every day for the farm. Valley dealers annually attend our superior service schools held throughout the country, as well as Valley University, our online training academy for Valley dealers and Valley Irrigation personnel. Among the products and services that will be highlighted this year at our tour stop will be AgSense, remote telemetry products for pivots and pumps, Valley Water Management, our in-house division for supplying pumps, panels, VFDs, etc., to the customer through our dealer network, a discussion of water quality changes affecting pivot pipeline choice, sprinkler considerations, and maintenance programs. On display will be our new Revolution Airless Tire, in addition to other products of interest to farmers.

VANTAGE SOUTHEAST — Since its founding in Cordele, Ga. in 2003, Ag Technologies has provided superior service to all of Georgia and large portions of the southeastern United States in the emerging industry of Precision Ag. When Ag Technologies began,

Precision Ag had only been around the farming industry for a handful of years, but now makes headlines because of the cost savings it has on outrageously high inputs. As the demand for Precision Ag increased, Ag Technologies grew to meet that demand. In 2017 Ag Technologies strengthened its partnership with Trimble by joining the premier network of Vantage distributors and changing their name to Vantage Southeast. While the name has changed, Vantage Southeast will continue the same superior service and industry-leading insight that has always driven us, with the added benefit of new technology offerings.

WATERS AGRICULTURAL LABORATORIES — Since 1976 Waters Laboratories has provided analytical data throughout the southeastern United States for fertilizer dealers, growers, and crop consultants. Waters Laboratories offers a wide range of services to help maximize crop production. Waters Laboratories provides soil analysis, plant tissue analysis, nematode assays, fertilizer, feed, water sampling, and a full microbiology food safety laboratory. We also have a full precision ag division to help customers with grid sampling and variable rate fertilizer application. We have three locations to serve your needs: Camilla, Ga. (229)336-7216; Owensboro, Ky. (270)685-4039; and Warsaw, N.C. (910)293-2204. You can also visit www.watersag.com to find the latest information or to order sampling supplies.



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